

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit 2183
Examiner Eric Coleman

In Re: Enric Musoll et al.
Case: P3809
Serial No.: 09/616,385
Filed: July 14, 2000
Subject: **Methods and Apparatus for Improving Fetching and Dispatch of Instructions in Multithreaded Processors**

To: The Commissioner of Patents and Trademarks
Washington, D.C. 20231

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AUG 27 2003

GROUP 2100

Dear Sir;

Response A**OFFICIAL****In the claims:**

All of the claims standing for examination are presented below. There are no amendments to the claims or specification made in the present response.

What is claimed is:

AT *Pat B1* >
1. (Original) In a multi-streaming processor, a system for fetching instructions from individual ones of the multiple streams to a pipeline, comprising:

 a fetch algorithm for selecting from which stream to fetch instructions; and
 a branch predictor for forecasting whether a branch alternative of a branch instructions will be taken;
 wherein the prediction by the branch predictor is used by the fetch algorithm in determining from which stream to fetch.

Method of Transmission: By Facsimile

CASE DOCKET NO. P3809

In reference to application of Enric Musoll et al.

Serial No. 09/616,385

For Methods and Apparatus for Improving Fetching and Dispatch of Instructions in Multithreaded Processors

Sir:

Transmitted herewith is and an amendment in the above-identified application, under 37 C.F.R. 1.312.

No additional fee is required.
 Applicant claims Small entity status under 37 CFR 1.27.
 The fee has been calculated as shown below.

***** CLAIMS AS AMENDED *****

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
|---|------------------------------------|------------------------------------|------------------------------------|---------------|-------------------|-------------------|----------------|
| | Claims Remaining After Amendment | | Highest No. Paid For Previously | Present Extra | Rate Small Entity | Rate Large Entity | Additional Fee |
| Total Claims | 24 | Minus | ** 24 | 0 | \$ 9 | \$ 18 | \$ 0.00 |
| Indep Claims | 6 | Minus | *** 6 | 0 | \$ 42 | \$ 84 | \$ 0.00 |
| <input type="checkbox"/> First presentation of a multiple dependent claim | | | | | \$ 0 | \$ 0 | \$ 0.00 |
| <input type="checkbox"/> Terminal Disclaimer Fees | | | | | | | \$ 0.00 |
| Extension Fee | <input type="checkbox"/> 1st Month | <input type="checkbox"/> 2nd Month | <input type="checkbox"/> 3rd Month | | | | \$ 0.00 |
| Total additional for claims, time extensions and disclaimer fees | | | | | | | \$ 0.00 |

** If the "highest Number Previously Paid For" in this space is less than 20, write "20" in this space.

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**** Multiple dependencies, if any, included in the above calculation.

* If the entry in column 2 is less than the entry in column 4, write "0" in column 5.

 A check in the amount of 0.00 is attached. Charge \$ 0.00 to deposit account 50-0534. (A duplicate of this sheet is enclosed) Please charge any additional fees or credit overpayment to Deposit Account 50-0534. A duplicate of this sheet is enclosed.

Respectfully Submitted,

Donald R. Boys
Reg. No. 35074

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In re: Enric Musoll et al.
 Case: P3809 Application No.: 09/616,385 Filing date: 07/14/2000
 Art Unit: 2183 Examiner: Eric Coleman
 Subject: Methods and Apparatus for Improving Fetching and Dispatch of Instructions in Multithreaded Processors

Certificate of Transmission under 37 CFR 1.8

Attention: Eric Coleman, Examiner

Fax No.: (703) 746-7239

I hereby certify that this correspondence is being facsimile transmitted to the
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4. Certificate of Transmission - 1 sheet

Please call me at (831) 726-1457 if you have any questions.

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